



2121

PATENT

Case Docket No. FY.16706US0A

Date: May 21, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Ichikai Kamihira
Appl. No. : 09/824,462
Filed : April 2, 2001
For : CHARACTERISTIC
CONTROL DEVICE FOR
CONTROL SUBJECT
Examiner : E. Gain
Group Art Unit : 2121

I hereby certify that this correspondence and all
marked attachments are being deposited with the
United States Postal Service as first class mail in
an envelope addressed to: Commissioner for
Patents, P.O. Box 1450, Alexandria, VA 22313-
1450, on

May 21, 2003

(Date)

Katsuhiro Arai, Reg. No. 43,315

RECEIVED

MAY 27 2003

Technology Center 2100

TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with eight (8) references.
- (X) A copy of Communication dated April 15, 2003.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

Katsuhiro Arai
Registration No. 43,315
Agent of Record
Customer No. 20,995
(949) 760-0404



P.B.5818 - Patentlaan 2
2280 HV Rijswijk (ZH)
☎ +31 70 340 2040
TX 31651 epo nl
FAX +31 70 340 3016

Europäisches
Patentamt

Zweigstelle
in Den Haag
Recherchen-
abteilung

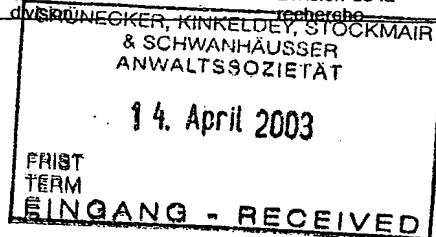
European
Patent Office

Branch at
The Hague
Search
Division

Office européen
des brevets

Département à
La Haye
Division de la
recherche

Grünecker, Kinkeldey,
Stockmair & Schwanhäusser
Anwaltssozietät
Maximilianstrasse 58
80538 München
ALLEMAGNE



Datum/Date

15.04.03

Zeichen/Ref./Réf.

EP 20945-01377/ ✓

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

01108519.8-2206- ✓

Anmelder/Applicant/Demandeur/Patentinhaber/Propriétaire/Titulaire

YAMAHA HATSUDOKI KABUSHIKI KAISHA

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

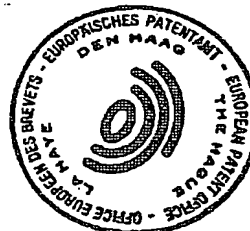
☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 1

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
(1) X ✓	US 6 032 139 A (YAMAGUCHI MASASHI ET AL) 29 February 2000 (2000-02-29) * column 4, line 2 - column 8, line 60; figures 1,4,5 *	1-4,8, 14-16, 18,19	G05B13/02
(2) X ✓	EP 0 969 385 A (YAMAHA MOTOR CO LTD) 5 January 2000 (2000-01-05) * figure 4 *	1,14	
(3) X ✓	US 5 043 862 A (TAKAHASHI SUSUMU ET AL) 27 August 1991 (1991-08-27) * column 3, line 34 - column 4, line 3 *	1,2,5, 14,15 6,7,17	
(4) Y ✓	US 5 546 506 A (ARAKI SHOICHI ET AL) 13 August 1996 (1996-08-13) * column 16, line 45 - column 17, line 16 * * figures 13,15 * * column 19, line 39 - column 21, line 28 *	6,7,17	
(5) X ✓	US 5 213 077 A (IWAI TOMOHIRO ET AL) 25 May 1993 (1993-05-25) * column 7, line 13 - column 12, line 66 *	1,2,5, 14,15	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G05B
(6) X ✓	US 5 971 579 A (KIM YOUNG-SANG) 26 October 1999 (1999-10-26) * column 4, line 1 - column 5, line 50 *	1,2,14, 15,18,19	
(7) A ✓	EP 0 957 416 A (YAMAHA MOTOR CO LTD) 17 November 1999 (1999-11-17) * page 4, line 5 - page 17, line 6 *	1,14	
(8) A ✓	EP 0 715 253 A (OMRON TATEISI ELECTRONICS CO) 5 June 1996 (1996-06-05) * figures 14-16 *		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 7 April 2003	Examiner Kelperis, K
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 10 8519

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

07-04-2003

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6032139	A	29-02-2000	JP	10154003 A	09-06-1998
			US	6324529 B1	27-11-2001
			US	6304862 B1	16-10-2001
EP 0969385	A	05-01-2000	JP	2000020103 A	21-01-2000
			EP	0969385 A2	05-01-2000
US 5043862	A	27-08-1991	JP	1258003 A	16-10-1989
			JP	2038710 C	28-03-1996
			JP	7074961 B	09-08-1995
			CN	1036845 A , B	01-11-1989
			DE	3911186 A1	19-10-1989
US 5546506	A	13-08-1996	JP	3076399 B2	14-08-2000
			JP	4364536 A	16-12-1992
			US	5440672 A	08-08-1995
US 5213077	A	25-05-1993	DE	4215959 A1	19-11-1992
			JP	5173605 A	13-07-1993
US 5971579	A	26-10-1999	JP	10031503 A	03-02-1998
EP 0957416	A	17-11-1999	JP	11327606 A	26-11-1999
			EP	0957416 A1	17-11-1999
			US	6397113 B1	28-05-2002
EP 0715253	A	05-06-1996	JP	2161530 A	21-06-1990
			JP	2207302 A	17-08-1990
			EP	0715253 A2	05-06-1996
			AT	164241 T	15-04-1998
			DE	68928609 D1	23-04-1998
			DE	68928609 T2	19-11-1998
			DE	68928984 D1	02-06-1999
			DE	68928984 T2	13-01-2000
			EP	0373628 A2	20-06-1990
			US	5193144 A	09-03-1993